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| Tahun Akademik  Semester/Penggal | 2013/2014  2 |
| Kod Kursus  Tajuk Kursus  Kredit  Bahasa Pengantar  Pra-Syarat Kursus/ Keperluan Minimum | ALEA 2338  Analisis Data Kuantitatif  3  Bahasa Malaysia  Tiada |
| Rujukan Utama | 1. Agresti, A., & Finlay, B. 2009. *Statistical Methods for the Social Sciences*. NJ: Prentice-Hall/ Pearson Education. 2. Aron, A., Coups, E.J. & Aron, E.N. 2011. *Statistics for the Behavioural and Social Science*. NJ: Pearson Education. 3. Brace, N., Kemp, R. & Snelgar, R. 2006. *SPSS for Psychologists: A Guide to Data Analysis Using SPSS for Windows.* UK: Routledge. 4. Dancey, C. P & Reidy, J. 2011. *Statistics without Maths for Psychology.* England: Prentice Hall/Pearson. 5. Gray, C. D., & Kinnear, P. R. 2012. *IBM SPSS Statistics 19 Made Simple.* Great Britain: Psychology Press. |
| Bahan Pengajaran/ Peralatan | Buku, jurnal, majalah, petikan akhbar dan laman web dan perisian NviVo/SPSS. |
| Strategi Pembelajaran | 1. Kuliah  2. Tutorial  3. Kerja Lapangan  4. Makmal Statistiks |
| Masa Pembelajaran Pelajar | Perjumpaan bersemuka: 28 jam  Pembelajaran berpandu: 12 jam  Pembelajaran berdikari: 40 jam  Penilaian: 40 jam |
| Kemahiran Insaniah | 1. Kemahiran Berkommunikasi 2. Pemikiran Kritis dan Kemahiran Penyelesaian Masalah   3. Etika dan Moral Professional |
| Pensyarah  Bilik  Telefon/e-mel | Dr. Mohd Awang Idris  Jabatan Antropologi dan Sosiologi  79675599/idrma@um.edu.my |
| Sesi Kuliah:  Hari/Masa  Tempat  Sesi Tutorial/Amali:  Hari/Masa  Tempat | Isnin dan Rabu (2:00 – 3:00pm)  Bilik Komputer Jabatan Antropologi dan Sosiologi  Khamis (8:00 – 9:00am)  Bilik Komputer |
| Tarikh Penting  (Contoh: Ujian, Peperiksaan akhir, kuiz, dll). | Peperiksaan akhir: 23/6/2014 (11:30am) |

**JADUAL PENGAJARAN**

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| Minggu | Topik Kuliah/Tutorial/Tugasan | Rujukan/Bahan Pengajaran/Peralatan |
| 1 | * Konsep asas penggunaan statistik * Fungsi dan peranan statistik dalam penyelidikan * Mendefinisi ukuran | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science. |
| 2 | * Konsep asas persampelan * Kelok normal * Konsep kebarangkalian | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science.  Neuman, W.L. (2011). Social Research Methods. Qualitative and Quantitative Approaches. |
| 3 | * Min, mode,median dan Z score * Pembinaan graf dan histogram | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science.  Agresti, A., & Finlay, B. (2009). Statistical Methods for the Social Sciences |
| 4 | * Konsep pembolehubah bebas dan terikat * Konsep moderation dan mediation * Membina dan meramal hipotesis | Baron, R. M., & Kenny, D. A. (1986).The moderator-mediator variable distinction in social psychological research: Conceptual, strategic and statistical considerations. *Journal of Personality and Social Psychology, 51*, 1173-1182. |
| 5 | * Konsep kesignifikanan, effect size dan statistical power | Agresti, A., & Finlay, B. (2009). Statistical Methods for the Social Sciences |
| 6 | * Pengenalan kepada SPSS | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science. |
| 7 | * Kebolehpercayaan dan keesahan | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science. |
| 8 | * Ujian t test | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science. |
| 9 | * Ujian korelasi | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science |
| 10 | * Ujian regressi | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science |
| 11 | * Menguji moderator | Baron, R. M., & Kenny, D. A. (1986). The moderator-mediator variable distinction in social psychological research: Conceptual, strategic and statistical considerations. *Journal of Personality and Social Psychology, 51*, 1173-1182. |
| 12 | * Menguji mediation * Konsep Sobel test * Monte-Carlo | Preacher, K. J., & Hayes, A. F. (2004). [SPSS and SAS procedures for estimating indirect effects in simple mediation models](http://www.quantpsy.org/pubs/preacher_hayes_2004.pdf). *Behavior Research Methods, Instruments, & Computers*, *36*(4), 717-731.  Sobel, M. E. (1982). Asymptotic intervals for indirect effects in structural equations models. In S. Leinhart (Ed.), *Sociological methodology 1982* (pp.290-312). San Francisco: Jossey-Bass. |
| 13 | * Non normal data | Aron, A., Coups, E.J. & Aron, E.N. (2011). Statistics for the Behavioural and Social Science |
| 14 | * Ujian analisis faktor | Agresti, A., & Finlay, B. (2009). Statistical Methods for the Social Sciences |